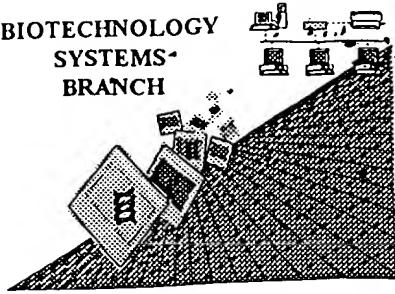


L.H.
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 856 723

Source: CIPE

Date Processed by STIC: 10/03/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/856723</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPIA" HEADERS, WHICH WERE INSERTED BY PTC		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID.NO where "X" is shown) This sequence is intentionally skipped	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Sequence(s) _____ missing. If Intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Invalid <213> Response	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
11 <input type="checkbox"/> Use of <220>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
13 <input type="checkbox"/> Misuse of n	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/856,723

DATE: 10/03/2001
TIME: 15:30:54

Input Set : A:\sequence listing 856723.7sept01.txt
Output Set: N:\CRF3\10032001\I856723.raw

3 <110> APPLICANT: Kramer, Michael
5 <120> TITLE OF INVENTION: Regulatory Protein pKe#83 from Human
6 Keratinocytes
8 <130> FILE REFERENCE: km-3/PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/856,723
C--> 11 <141> CURRENT FILING DATE: 2001-09-17
13 <150> PRIOR APPLICATION NUMBER: DE19854672.6
14 <151> PRIOR FILING DATE: 1998-11-26
16 <150> PRIOR APPLICATION NUMBER: DE19856301.9
17 <151> PRIOR FILING DATE: 1998-12-07
19 <160> NUMBER OF SEQ ID NOS: 10
21 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

512 <210> SEQ ID NO: 7
513 <211> LENGTH: 4914
514 <212> TYPE: DNA
515 <213> ORGANISM: Homo sapiens
517 <400> SEQUENCE: 7
518 ggcgggggaa ccctccagaa tacccatcat atagccccgt aggtggcatg gtatgtctc 60
519 catgaggaa cccctccca cttcatactg tcacgtatat catagtgttc ttgactggc 120
520 cattcatcta agatgggatt taccctgtga aacagggaga agacttatgg accccaagca 180
521 tcatttcaag ttgaagttga gtttttaaaa gccatccatg caaagttct ttgctttgga 240
522 ccctctgcat tattaaagct gctgtattgc taacccagaa ctgctccagt gtcttgactg 300
523 atcatcatgg cttcagtttgaagagactg cagcgtgtgg gaaaacatgc atccaagtgc 360
524 cagtttgtgg cctccttacca ggagctcatg gttgagtgtt cgaagaatg gtaaccagat 420
525 aaactgggtt tagttggac cagaagaagc cgaaggaagt cttctaaaggc acatagctgg 480
526 caacctggaa taaaaaatcc ctatcggtt gttttgtgt ggcctgtcc tgaaaacatt 540
527 gaaatcactg taacactttt taaggatctt catcgccaaag aatttgaaga caaagagtgg 600
528 acatttgcata tagaaaaatga atccccctt ggtcgaaagga aagctcttc tactagcagc 660
529 atcaatatga aacagatgc aagccctatg ccaactcaga ctgatgtcaa gttaaaattc 720
530 aagccattat ctaaaaaaagt ttttatctgcc gctttcagt tttcattatc ttgcattttt 780
531 ctgagggaa gaaaagccac agatgaagac atgcaaagtt tggctagttt ggtgagttatg 840
532 aagcaggctg acattggcaa tttagatgac ttgcagaagaa ataatgaaga tgatgttag 900
533 aacagagtga accaagaaga aaaggcagct aaaattacag agcttatcaa caaacttaac 960
534 tttttggatg aagcagaaaa ggacttggcc accgtgaatt caaatccatt tgatgtctt 1020
535 gatgctgcag aattaaatcc atttggagat cctgactcag aagaacctat cactgaaaca 1080
536 gtttccaccta gaaaaacaga agactcttt tataataaca gctataatcc ctttaaagag 1140
537 gtgcagactc cacagtattt gaacccatc gatgagccag aagcatttgt gaccataaag 1200
538 gattctcctc cccagctac aaaaagaaaa aatataagac ctgtggatat gagcaagttac 1260
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543 ataccaagtc ctgtttggg gogaaagcca aatgttagtc agtctttgt tttatgggt 1560

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Input Set : A:\sequence listing 856723.7sept01.txt
Output Set: N:\CRF3\10032001\I856723.raw

544 aaagaagtta caaagaacta ccgaggagta aaaatcacca attttactac atcgtggaga 1620
 545 aatggtttat cttnnntgtc aatattacac cacttagac cagatttaat tgactacaag 1680
 546 tctctgaatc ctcaagatataaaagagaac aacaaaaagg catacgatgg atttgccagc 1740
 547 ataggaattt cccgattatt ggaaccttct gatatggat tattagcaat tcctgataaa 1800
 548 ctgactgtta tgacttatct ctatcaaata agggcacatt tcagtggcca agaactaaat 1860
 549 gtcgttcaga tagaggaaaa cagcgtaaa agcacatata aagttggaaa ctatgaaaca 1920
 550 gatacaaaca gttctgttga tcaagaaaa ttctatgcag agcttagtga tctgaagcgg 1980
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 555 aatacagattt caacccaagc acagggtttt ttagcaaaaa agagactatt gaaagctgag 2280
 556 actttagaat tgagtactt atatgttagt gataagaaga aggatatgtc tccacccttt 2340
 557 atttgtgagg agacagatga aaaaaagctt caaactctag acatcggtg taacttggag 2400
 558 aaagaaaaat tagagaattt cagatccta gaatgcagat cagatccaga atctcctatc 2460
 559 aaaaaaaacaa gtttatctcc tacttctaaa cttggataact catatagtag agatctagac 2520
 560 cttgctaaga aaaaacatgc ttccctgagg cagacggagt ctgatccaga tgctgtataga 2580
 561 accactttaa atcatgcaga tcattcatca aaaatagtcc agcatcgattt gttatctaga 2640
 562 caagaagaac ttaaggaaag agcaagagg tctgcttgagc aagcaagaag agatgcagcc 2700
 563 ttaaaggcgg ggaataagca caataccaac acagccaccc cattctgca cagcagcta 2760
 564 agtgatcagc aagatgaaga gcgacgtcgg cagctgagag agagagctcg tcagctaata 2820
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 568 gaaaatgacc ttgatactcc cgaacaaaaac agtaagttgg tggacttggaa gctgaagaag 3060
 569 ctcctagaag ttccagccaca gttggcaaat tcaccctcca gtgctgccca gaaagctgta 3120
 570 actgagagct cagagcagga catggaaaat ggcacagaag atctccggac tgaacgatta 3180
 571 caaaaaacaa cagaacgttt tagaaatctt gttgttca gcaaagattc tacagtca 3240
 572 aaaactcaac ttccatctt cagccatat attgagaata gaccagagat gaaaaggcag 3300
 573 agatcaatac aggaagatac aagaaaggaa aatgaggaga aggccggat aactgaaact 3360
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/856,723

DATE: 10/03/2001
TIME: 15:30:54

Input Set : A:\sequence listing 856723.7sept01.txt
Output Set: N:\CRF3\10032001\I856723.raw

593 ctcagaggat ggtccttaa catagccaga aacaagccct gtggttgaa ggtgagctgt 4560
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595 accatctttt tctctggata attatttctt acatcatgt tgattccatc attttgtgg 4680
596 gttcaacat tggctcacga atgctgttaa tatttattct gtattgataa aaagtctgtc 4740
597 ttgccactac aagtaaatcc cccatattaat attttcttct ttagcatagc actgtcattt 4800
598 ttgtgaaaaa tggttatgtt tatttattac aatactqagt catataaaaa tttcaataaa 4860
E--> 599 aagcagaaaac tttcttacct taaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa and 4914

invalid

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,723

DATE: 10/03/2001

TIME: 15:30:55

Input Set : A:\sequence listing 856723.7sept01.txt
Output Set: N:\CRF3\10032001\I856723.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:599 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
L:599 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1